

Chemical	Formula	Weight	Formula	Weight
Hydrogen	H	1.008	Carbon	C
Helium	He	4.003	Nitrogen	N
Lithium	Li	6.941	Oxygen	O
Beryllium	Be	9.012	Fluorine	F
Boron	B	10.811	Neon	Ne
Carbon	C	12.011	Sodium	Na
Nitrogen	N	14.007	Magnesium	Mg
Oxygen	O	15.999	Aluminum	Al
Fluorine	F	18.998	Silicon	Si
Neon	Ne	20.180	Phosphorus	P
Sodium	Na	22.990	Sulfur	S
Magnesium	Mg	24.305	Chlorine	Cl
Aluminum	Al	26.982	Argon	Ar
Silicon	Si	28.086	Potassium	K
Phosphorus	P	30.974	Calcium	Ca
Sulfur	S	32.065	Scandium	Sc
Chlorine	Cl	35.453	Titanium	Ti
Argon	Ar	39.948	Vanadium	V
Potassium	K	39.098	Chromium	Cr
Calcium	Ca	40.078	Manganese	Mn
Scandium	Sc	44.956	Iron	Fe
Titanium	Ti	47.88	Cobalt	Co
Vanadium	V	50.942	Nickel	Ni
Chromium	Cr	51.996	Copper	Cu
Manganese	Mn	54.938	Zinc	Zn
Iron	Fe	55.847	Gallium	Ga
Cobalt	Co	58.933	Germanium	Ge
Nickel	Ni	58.69	Antimony	Sb
Copper	Cu	63.546	Strontium	Sr
Zinc	Zn	65.38	Yttrium	Y
Gallium	Ga	69.723	Zirconium	Zr
Germanium	Ge	72.64	Niobium	Nb
Antimony	Sb	121.757	Molybdenum	Mo
Strontium	Sr	87.62	Ruthenium	Ru
Yttrium	Y	88.906	Rhodium	Rh
Zirconium	Zr	91.224	Palladium	Pd
Niobium	Nb	92.906	Silver	Ag
Molybdenum	Mo	95.94	Cadmium	Cd
Ruthenium	Ru	101.07	Indium	In
Rhodium	Rh	102.91	Thallium	Tl
Palladium	Pd	106.36	Lead	Pb
Silver	Ag	107.87	Bismuth	Bi
Cadmium	Cd	112.41	Polonium	Po
Indium	In	114.82	Astatine	At
Thallium	Tl	204.38	Radon	Rn
Lead	Pb	207.2	Francium	Fr
Bismuth	Bi	208.98	Radium	Ra
Polonium	Po	209	Actinium	Ac
Astatine	At	210	Thorium	Th
Radon	Rn	222	Protactinium	Pa
Francium	Fr	223	Uranium	U
Radium	Ra	226	Neptunium	Np
Actinium	Ac	227	Plutonium	Pu
Thorium	Th	232	Americium	Am
Protactinium	Pa	231	Curium	Cm
Uranium	U	238	Berkelium	Bk
Neptunium	Np	237	Californium	Cf
Plutonium	Pu	244	Einsteinium	Es
Americium	Am	243	Fermium	Fm
Curium	Cm	247	Mendelevium	Md
Berkelium	Bk	247	Nobelium	No
Californium	Cf	251	Lanthanum	La
Einsteinium	Es	252	Cerium	Ce
Fermium	Fm	257	Praseodymium	Pr
Mendelevium	Md	258	Neodymium	Nd
Nobelium	No	259	Europium	Eu
Lanthanum	La	138.91	Gadolinium	Gd
Cerium	Ce	140.12	Terbium	Tb
Praseodymium	Pr	140.91	Dysprosium	Dy
Neodymium	Nd	144.24	Ho	
Europium	Eu	151.96	Er	
Gadolinium	Gd	157.25	Tm	
Terbium	Tb	158.93	Yb	
Dysprosium	Dy	162.50	Lu	
Ho	164.93	Hf		
Er	167.26	Ta		
Tm	168.93	W		
Yb	173.05	Re		
Lu	174.97	Os		
Hf	178.49	Ir		
Ta	180.95	Pt		
W	183.84	Au		
Re	186.21	Hg		
Os	190.23	Tl		
Ir	192.22	Pb		
Pt	195.08	Bi		
Au	196.97	Po		
Hg	200.59	At		
Tl	204.38	Rn		
Pb				

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Zirconium	Zr	91.224	Rhodium	Rh
Niobium	Nb	92.906	Palladium	Pd
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Thorium	Th	232	Americium	Am
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Plutonium	Pu	244	Einsteinium	Es
Americium	Am	243	Fermium	Fm
Curium	Cm	247	Mendelevium	Md
Berkelium	Bk	247	Nobelium	No
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Einsteinium	Es	252	Cerium	Ce
Fermium	Fm	257	Praseodymium	Pr
Mendelevium	Md	258	Neodymium	Nd
Nobelium	No	259	Europium	Eu
Lanthanum	La	138.91	Gadolinium	Gd
Cerium	Ce	140.12	Terbium	Tb
Praseodymium	Pr	140.91	Dysprosium	Dy
Neodymium	Nd	144.24	Homium	Ho
Europium	Eu	151.96	Erbium	Er
Gadolinium	Gd	157.25	Thulium	Tm
Terbium	Tb	158.93	Ytterbium	Yb
Dysprosium	Dy	162.50	Lutetium	Lu
Homium	Ho	164.93	Hafnium	Hf
Erbium	Er	167.26	Tantalum	Ta
Thulium	Tm	168.93	Tungsten	W
Ytterbium	Yb	173.05	Rhenium	Re
Lutetium	Lu	174.97	Osmium	Os
Hafnium	Hf	178.49	Iridium	Ir
Tantalum	Ta	180.95	Platinum	Pt
Tungsten	W	183.85	Gold	Au
Rhenium				